

CHAPTER THREE

3. MATERIALS & METHODOLOGY

The methodology used to develop this research project includes observation, data collection, site visits and interviews. Several approaches were used for data collection for this study, which are as follows:

- The UM data collection: Waste paper collected in UM was weighed.
- Site visits and observation: This was done by visiting Faculties, Research Center, Institutes, Administration offices and Residential Colleges.
- Interviews: Some interviews conducted for this research.

3.1. Waste Paper Management in the University of Malaya (UM)

The University of Malaya (UM) is located in the suburb of Lembah Pantai, southwest of Kuala Lumpur. The campus has an area of 750 acres (Figure 3.1). Currently, there are more than 27,000 students and 1700 academic staff with 17 faculties and research centers in UM (www.um.edu.com.my).

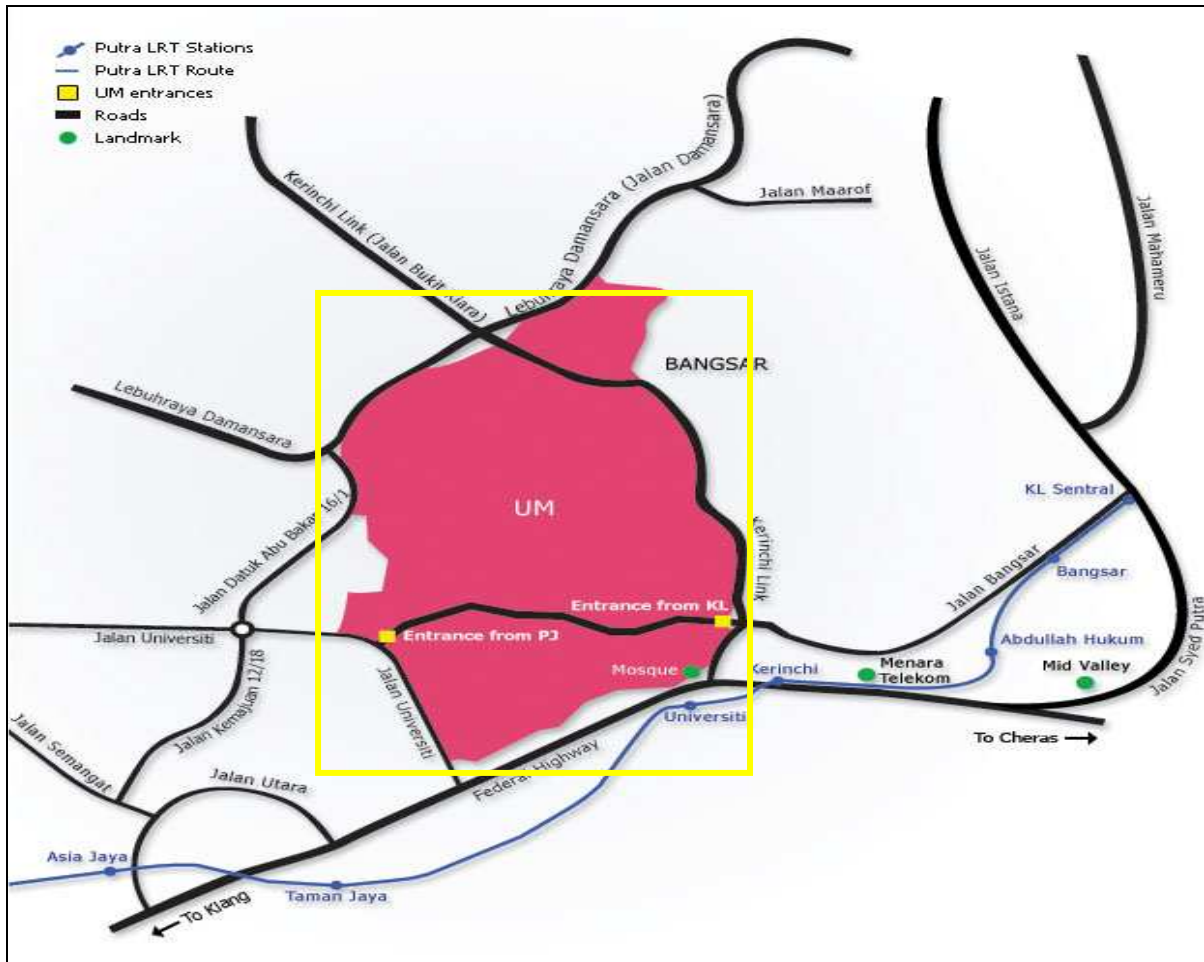


Figure 3.1: Location of University of Malaya (UM)

(Source: www.um.edu.com.my)

3.1.1. Waste Paper Generation

Data collection included the determination of quality and quantity of waste paper in UM. Waste paper collected from all the Residential Colleges (offices and dormitories), UM's General Administration Offices, Faculties, Institutes and Centers of Studies were sorted, separated and weighed (Figure 3.1).



Figure 3.1.11: UM Map

(Source: www.um.edu.my)

Data collection was carried out weekly, for three weeks, two weeks in August, 2008 and one week in May 2009. Data collection was done a couple of times in 2008 because September 2008 which was during fasting month. This was done through interviews, observation and actual weighing. However, all the results shown in Chapter 4 for faculties and administration offices are the means of these three weeks while for Residential colleges it was based one month data collection. This research was possible after asking the cleaners from faculties, Residential colleges and administration offices to collect all the waste paper in UM and sorted the waste paper different groups as follow: books, news paper, color paper, cardboard and newspaper.

The interview was carried out with the following staff in UM:

- I. August 2008, with Mr. Rosli Abdul Wahab (Management Department of Development and Asset Maintenance).
- II. 20th February 2009 with Dr. Ghauth Jasmon the Vice Chancellor of UM.
- III. 25th February 2009 with Mr. Jmaludin Yacob (Principal Assistant Registrar's Office of the Vice-Chancellor).
- IV. 29th April 2009 Mrs. Raja Sothi Raja Sapai (Principal Assistant Registrar, Senate and Policy Implementation Management Unit).
- V. 5th May 2009 with Mr. Termizi Ahmad Ab Aziz (Management of Administration and Finance Division, Registration Department), and
- VI. 20th August 2009 Ms. Mashithoh Bt Shafie (from Vice Chancellor's office).

This study was made possible after meeting with the Management Department of Development and Asset Maintenance. As a result of this meeting this Department introduced the supervisor of the cleaners for each place in UM, and after meeting with this department, all the necessary information about the cleaners of each place was collected. Pre arrangement was made with the cleaners to collect and pass all the relevant materials weekly.

Data collection from colleges was done only for one month; the reason was that the college administrators had their own programme. The cleaners in colleges sorted and separated the waste paper and at the end of each month each college sold it. The income was used by the colleges. In addition, most of the colleges had recycling bins.